

ARRL DXCC - 160 Meters

The ARRL DXCC is awarded to amateurs who submit confirmations for contacts with 100 or more entities on the ARRL DXCC List. As of 08 May 2024, there were 340 current entities on the list. The DXCC Honor Roll includes those who are within 9 entities of that figure for the Mixed, Phone, CW and RTTY awards. The following listing of the DXCC membership contains the call signs and exact credited totals by endorsement level. Awards are NOT activated automatically; participants must apply to have a particular award (band, mode etc) activated when the qualifying number of credits is obtained. "Inactive" members (whose most recent DXCC application was before 1994-01-01 and who are not a current ARRL member) are shown in gray.

See the [ARRL DXCC FAQ](#) for details.

344 W8LRL	ON4UN* UA2FF	315 IK4WMA OH3SR S50U W1JR	W3GH*	K1UO K9QVB* SM3GSK YU1FW
341 EA8AK	324 K2TQC OH2BO W1NG	314 4X4DK IK4GME K5RK N1DG NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IV3PRK K4SV K8GG SM6CVX W5IZ	302 DL4MCF GM0GAV GM3YTS
340 K1ZM	323 S50A SP5EWY	313 GM3POI OE3GCU OZ7YY	307 DJ7MI IK4MGP OH5VT RZ3AM UT3UA VE3EJ	301 DL9KR N1RJ N3XX S54E
339 W4DR W4ZV	322 EY8MM K4PI UX0UN W3UR	312 OH1MA	306 K4CIA N4RJ SM0AJU WT3Q	300 F6BKI G3KMA I2ZFD LZ2JE PA3FQA RC3FL SM3EVR SP3EPK SV8JE VA3EF
334 N4WW OH2BU VE1ZZ*	321 K5NA*	311 DF3CB DJ6RX DJ9KG G3PQA OG2M RA7A	305 EA6SX JA7NI K4ZW N4IS RW3PZ*	299 JA4DND K4TEA N1BUG SV1FJA UX1UA W7UT
333 R7LV	320 SM4HCM W8UVZ WB9Z	310 I4AVG KJ9I SM5BFJ SP2FAX	304 N4JJ* NN4T UA6A	
332 UR0MC	319 K8MFO N0XA SM4CAN	309 UT5UGR	303 CT1EEB DJ0MDR F5LGE JA1BK JA4LKB	
330 AA1K HA0DU K5UR LZ2DF OH1XX UT7QF	318 W9ZR			
329 K3UL UA4HBW	317 I4EAT* W3LPL			
328 R4GM UA4CC	316 W2VO			298 9A2AJ IK2DFZ OZ3PZ SM5CEU
325 K9UWA				

297 DK5PR N4CC OE6IMD OM2XW RA3DX W0CD* W0FLS	290 IZ0AEG SM6CMU SP3IBS UA3AKO W5ZN	282 DL1YD I0WDX JH4IFF K4SO K8KS N2LT N4KG* SM6CTQ SP3DV US5WE UY5ZZ W0BV W2YC	N8RR N9IW OK1AWZ	K6ND KD5M RV3LO W1ZC
296 DF2UU DJ2BW* F5NTV G0JHC G4PWA OE1WEU ON5NT W1JZ	289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	281 DF2PY JA2PJC JA5EXW K1CP K9CT S59Z W4TO	275 9A1CCY K2UO K4IQJ OH3BU SP5CJQ SP9DWT UW2ZM VE2TZT W2OKM* YO3APJ	268 DL5DSM G3WPH RA3XDX RK4FD SM5DJZ* W1MK
295 K3UA	288 PA3GCV RA3CQ RY9C SL0ZG SP7VC UA4LY W0JX WK3N	280 EA6NB SM4DHF SP6HEQ	274 G3TXF IK4CIE K1ZZ SP6AEG	267 LU8DPM RZ3DX
294 JH2FXK LA5HE RJ3AA	287 DL1RWN G3XTT N2QT VA3DX W4PK WD5COV	279 HB9BIN IK4DRY JR7VHZ N2TK UA6MF	273 F5NBU IK8HJC JA8ISU K2CL K5BG KF2O MD0CCE RA3DA SM6CCO UA3DPM UX1AA W6UB	266 K8PT LA3MHA NR1R R3LA W8TE W8XD
293 DL1AMQ KV4FZ* S58T	286 DJ2YA IK1GPG JR2KDN K3SX N3SL PA0WRS UT7UW W8AV	278 DK0EE F6BEE JA3FYC K5DU KG4W NJ6P UR5WA	272 9A2EU CT1EKY DL1DUL DL2OE	265 AA1V AA4V AA7A G4OBK RW0LT YO5BRZ
292 G4BWP JA2JPA JH4UYB OZ1BTE R7FK* SM5AQD SV1AOZ SV8CS W3YX W8TOP	284 K5XI UA3AB	277 AA4MM DJ9VA F6AOJ IK5BAF ON7TK SM6CNN	271 EU7A G4GED HB9AMO OZ1CTK SP6CIK	264 AA6YQ W1GL
291 9A7V DF3GY JA4LXY KD9SV N0TB R7NW SM3NRY SP3E UA3LAR UT7UJ	283 CT1APE G4CCZ HB9BGV NA0Y NO3M R3OK	276 DK5WL DL7VEE G3LZQ	270 I2AOX OE5KE SM5KNV	263 IZ1ANU K9OW W2SM W3AP
			262 EU7A G4GED HB9AMO OZ1CTK SP6CIK	261 G0DQS K4UEE* K4XP K7ZV KR9U SP9JZU UX4UA* W1YY
			269 IK6DLK JA5AUC	261 9A4T DL9YX K2EK

K5KC	WA4FFW	247	OE2LCM	YO9HP
N6SS		K6XT	OK1DWJ	
N7NR	253	NO2R	SP5GRM	235
NO8D	5B4AGN	R7IA	UA3TT	CX6VM
SP1S	K5ESW	WB3AVN	VE1YX	EA6ET
	RU3FM		VE3NH	JH4ADV
260	S58Q	246		K3SWZ
K1LT	SP9FKQ*	DJ2TI	240	KA9CFD
K4DY	UA1OMS	K0IEA	IV3ODE	N6DX
	W0YG	N6TR	K0JUH	R7DX
259	252	TF4M	K1FZ	RA0FF
DF4PL	EA1DR	W2TQC	K1ZG	RU3QR
EA5BM	IV3YYK	W5XZ	K9OT	VE3XN
F6GCP	JF2MBF		LA2XPA	WA7NS
I1FQH	LA5IIA	245	SV8GFW	
IK2YCW	PA4VHF	DL4CF	UR5MID	234
N3NT	S52F	F2JD	VO1NA	AC4G
R9FM	W3UM	JA1GV		AJ6T
SP5DIR		N5DG	239	K4UTE
	251	N9US	F6BLP	KF0QR
258	DJ7RD	RL9F	JR3GWZ	PY1BVY
KW9A	DL9RT	RY7G	JR3IIR	VE7IG*
KX4R	JA2VPO		K0KT	
RN3CT	JH0BBE	244	KH6AT	233
VE3QAA	N4II	AG9S	LY3UM	AB4I
	ON4AOI	DK6WL	RN3QN	IZ4BEZ*
257	VK4MA	IK0XBX	SV1ELF	K0CS
EI7BA	W3KX	JA1HGY		K1AR
IK5HHA	W5UN	JA7QVI	238	KA7T
K1GUN	W7LR	K9RX	DL8WN	SK3PY
SV8BHN		ON4IQ	IK0XEZ	UA4HAU
W9YSX	250		JA0CRI	VA2WA
	HB9RG	243	JA0DAI	W7AO
256	NQ1K	AB3CV	K1HTV	YO7LCB
9A5CY	OZ8BZ	DK2JX	VO1HP	
JA5BZL	PY2RO	DK3DG		232
JH1GZE		JF8QNF	237	JA8EAT
K1QX	249	NN4X	AA1QD	K2AZ
K5VRX	A19L	ON4ATW	DL7MAE	K2UU
K8FL	I1EIS	S57A	IK0MHR	K4XL
N5KD	JG3QZN	W9RPM	K1DG	NI6T
N8TR	JQ3DUE	W9XY	K1VW*	UA3AP
PA7MM	K9NW	WX4G	NI0G	UR5EDX
W1TSP	SP5DRH		OM4EX	W3LL
		242	SV1RK	
255	248	KG7H	W4YO*	231
G3ZSS	K3WW	R5AJ		4X4NJ
K4QL	K5RX		236	EA6VQ
KY7M	N2NL	241	G8VR	HA9RE
N2MF	R5DT	EA4KD	JA5MHD	IK0YUT
UX0FF	SM3VAC	JA1SYY	K1JO	IW1ARB
W3DF	T77C	JA3EMU	K9NR	IZ1LBG
W5OZI	UT9FJ	K2FF	K9ZO	JH1HGC
	W9NGA	K5ZK	KC7V	K5EK
254		N4XM	OK2ZI	N7NG
N0AT		N5TY	OZ4O	OK1CF
OM3DX		N7RT	SP8AJK	ON4ACG

S51DI W9IXX	225 A45XR JH7PFD K1MM K5AB K9FD/KH6 N4CH RA3QK RV1CC RW3XZ SP3CGK US0SY VA5DX W7KW	220 AG8B HB9LCW HL5IVL JR4OZR K8ZTT KA1R N1LN N5JR VE3EXY	JH1IFS N7JW W0UO W2LK	210 I8SAT JA2IVK JH0INP JJ2LPV K0MN* LA4GHA UW7LL W7JW WS9V
230 FK8CP IZ8FFA JA0FSB JA1CMD N8JV SM3NXS W4GF W4VQ	224 DL5WW JA9CHI N8BM ON4GG SP5INQ SP8NR VK6VZ W2RQ	219 IK3VUU JA2FJP K6TA* LB8DC N0AV OE8RT RA3WDK SP4K VE3LYC WA2UUK	214 HL3IUA JA2JW JA2WYN JJ3PRT K1AM* K3JGJ K4NA OK1DX ON6YH RN7G W4NL W6YI YU3AA	209 AD5A DL5CF DL9MRF EU1KY F6DAY HB9DDZ JA0UUA N9LB VE1DX W0AIH* W0ZR W1ECT W6PBI* W7KNT
229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	223 AB0X HA7TM I3BUI RT6T SV2JAO VE6WZ ZS4TX	218 DJ4PI DK0PM IK1YDB JA2FBY JA8CDT JF3KON K0EU K5UO UT4MF UT7UV W5PJR WA7NB	213 DF2IS DL7BA EI3IO HA1RW JF6DSZ K1ST NA2M RU4SO W0LYI W1FJ W2WG W3YY	208 JA7MSQ K2FU N5ORT RU3ZX SM5JE* W6PJ W9EWZ
228 AF9H AI0O EA1N K4HB NT0V* OH2BEN SV8CKM	222 DF6PB IV3JVJ JH2TPI K3SV K6EID N5AW N8PR N9BX SM0CCM W9BF	217 JG1ULJ K5PC LA7JO MM0EAX UA3AGW	212 AA9A DK2NG DL9GFB K4MQG K8ZH KE9I KG6I N1ZZ N4MM SM5CZQ WB9CIF	207 G3NSM I4LCK K1LPS K3JT K8EUR PY2BW UN5J W0LS
227 DL7HU E72A ES1RA IK0HBN IK6FWJ JA1UQP K1FK K3NW KD0Q N2WK NV9L W1TC WB6RSE	221 DJ8NK K4MWB K8FH K8SIX N6VR SP7GAQ W0VTT W1ZK W6JRY WS6X	216 JA6LCJ K5EJ N5UL OE1ZL RZ0AF W0GJ W6XA YV1DIG	211 IK4DRR JA4DEN K3WA N4PQX NX0I RA1QD RU3SD UR5FEO WA5VGI	206 DM5EE IK0IOL JA3PIS K2VV K5AQ K5RT KC6AWX* KG9N N8DJX N9AU

SM6BZV	201	LA5YJ	NK1K	SP7HOV
US0KW	AA5AM	OE4PWW	PA0LOU	UA7T
VE3BW	DL1EJA	OE5FIN	RN1ON	W5DM*
205	F4BKV	ON4CD	W0RI*	WE9R
JA3AAW	JA9NFO	RZ6FA	W4FC	188
K1DT	J12KXK	UA0SC	W9MU	9A2NA
W8UN	K3HP	UT5EL	192	JA1KQX
WB8ZRL	LA7GIA	196	AD8P*	KB0EO
204	UY1HY	4Z4DX	DK1FW	KB1EFS
DJ5AV	W5TCX	AA4HP	JA7JWF	SM7GIB
I4KDJ	200	AG4W	K3FN	UA0CA
IK7NXM	JA1GTF	DK2LO	K4FJ	W6SR
KK4SI	JA5AQC	F6EXV	K5XX	W8JV
LX2A	JA9FPI	IK4PLW	K9EU	WA6YEE
N4NX	JH2RMU	JA4PXC	N4DB	187
N7FU	K1GE	K8PO	N5LZ	AJ1H
PY2XB	K5MC	KA9FOX	W3UA	DF2GH
US6EX	LA7HJA	KP2A	W4UM	K0SR
W2HUV	N4QS	ND0N	W8LGJ	KN5O
WD8PKF	N5ZM	RA9CMO	191	N2NS
WF4U	RA3S	RZ4FO	G0OIL	OK1CZ
W18A	RW4NN	SM2OAN	JA0EOK	RM0F
203	RW7M	W0FS	K8FC	SM0NJO
HB9CXZ	UY0ZG	W2FCR	K9LA	W7AWA
IZ8VYU	W0DD	195	KB8VAO	186
JA2XYO	W0MHK	G3ZEM	RK2FWA	9A8A
JF4VZT	W3GG	JA1EOD	RX3APM	AB4IQ
K4XO	199	JN7FAH	WA2VYA	IK2QPR
K8AC	JA2DPC	K7SO	WN6W	IZ8FWN
K9MMS	JE1PNX	K9RT	190	K0BJ
KK2I	JO7WXN	KF8UN	EA3JL	K0JGH
PA0A	K1GG	N1SV	IZ8XQC	K3PA
R6AF	K3LR	W5ZG	JA1ANR	K6SRZ
W8GC	K6GXO	W9OP	JA1DUH	K7LAY
202	N4DW	194	JA1MCU	N8LJ
DL1MGB	OZ1AXG	K4KDX	K2TE	NE1B
DL2KQ	W1TO	K9JF	K9KU	WA3C
DL9DRA	198	KB9LIE	KF7PG	185
EA1RT	DL1ROJ	KC9ARR	KM1D	AB6QM
JA3CSZ	G3UJE	W1NT	LA7AFA	EA6BF
JH3VNC	G4BUE	W2LO	N5GH	G3KWK
K2NV	IT9JNR	W9OO	SP2LNW	IK3SWB
K4JJW	JA2JNA	WD8JJA	VE7VV	JA8DNV
LY1G	UA0SR	193	XE2X	K5ZD
N7KA	W2IRT	DL5ZB	189	K9US
OK1DOT	W8HB	DL6ZYG	9A2F	N4TJ
R9TO	197	EA3WD	CT1IUA	N5UR
UA9FAR	G3SNN	EA5RM	EA8PP	OE2BZL
W7DO	HB9DDO	HA5BSW	FM5CD	SV1DPI
WA2HZO	I5KKW	K4ODL	IK0FVC	UA9CBO
ZL3IX	JH2UVL	K9YY	JA1XEC	W0EWM*
	K3KO*	KV7K	JA3RAR	
	K8NVR	N9EN	JH1QAX	

184 CU2DX JF1NZW JF1PUW JH1RFR K4HGX K5KLA KB4ET KL0S S57AC US8UA	K0BBC K4CN K8WK OK1MG S57UN SM4DDE SV3FUP W1RM W2YJ W7BEM YL2TW	JS3CTQ K4DLI LA0FA N7XR SM5FUG SP1MGM VE3FF W2OR W7MEM WX0V	K1BD K4XR K6FG KJ0M W4FQT	JE7JDL K5QY K8RYU KR4F N4QQ N8BJQ PA7F SP5GH TF3SG W4SVO W6VX W8OI WA5YNB
183 AA1ON CT1FMX CT3MD IT9INO K8VC KE9ET LA3WAA NN2L ON6SAS W2FP W8NW	178 EA3CJ JA0VSH JA4MRL JE2URF K2UR K8RRT NE0U SM7DLK SV1JG W6NWS	174 4Z5CX JA0GJJ JA2XW JA7MOL JF7DZA JK1OPL JR6PGB K0TT K2KA K2PLF* K3AJ K4TR K4WS N7IR OE1WHC OK1DWC RN7F UA3LNM W8UV W8VVG WT8C	171 AA9D DL6KR G0EHO JA6HUG JG3IWL JR1TNE K2FL* K9YC LA5LJA N4OGW N7RO N9RC SV1LK WB7B ZS1LS	167 DK5AD K4XD K6KO K8NK N0IJ N3BNA PA3C RA1AOB RN9N S51EC SP3FAR UN9L VE6WQ W1YW W3IP WA0MHJ WA4LOX
182 DJ9ON DK3UA JA1SHE OH2IS UR3EO UT5UT* W1YM	177 9H1SP AE5E CT1EAV EA8JF HA5WA JA2LCP JE1BMJ K3WC K7GM K9NU N4XU SM6DHU W5LT W7FI	173 5B4ALJ I1JQJ IK4ADE JA3ENN JA9TWN JL1SAM K1NTR K5GKC KA1J N3OC N5FG PY5EW W8HC	170 DJ6TK JA6JPS JM1GYQ JR7BDQ K6ZZ N0RN N4PY SP3GTS SV3KH W8KEN W9AJ W9EVI WA3AFS	166 4Z1UF DJ4SO IV3TDM JA1FNA JA9LJS K3KY K4JLD K4PB K4ZYU RM3DA W1RR W8ILC WA8TXT
181 DK3WW VE3OSZ YO2DFA			169 HA9PP IK0PEA JR1IZM K1LI K1NU N4XX N7US PE1L RA3DNC UT8MM UY5AA WB3JFS	
180 DM2DXA DM3VL K2EP K6SSS K7BG LA9AJA N1RR N4AH ON5FP UT2UB W3YQ W8TN	176 EU1AB I6FLD JA0DET JA2ZL JA5IU JA6BJV JA8KSF K8MN N5OK RL3FA W4BP W4GD YO7NE	172 G0BLB G3NKC HK3W IZ5MOQ JA1PPW JA3FGJ K0DEQ	168 4Z5MU G3MXJ IK2EGL JA1ADT	165 CT1FPQ DL7UCX JA6VQA JE7RJS JN4MMO K5JZ K9MBQ KI5BLU
179 IT9ELD IW0SAF JA2BDR	175 JA1CHN			

KK4CB	K5GO	OZ1HX	SM6VR	151
OH2BLD	K7NN	RU6M	ZS6EZ	DK2OY
SM4CTT	K8ND	SM4EMO		EI9JF
W0DJC	LB2TB	W0SZ	154	F3SG
W5BN	N4GN	W1OX	3V8SF	JA6BEE
WC5N	OH6RA	W2XL	DK1WB	K2FW
	RW3RN	W3GQ	G4GIR	N1EN
164	VK3HJ	W4QN	GM3PPE	N5JB
GU4YOX	W8WEJ		HB9TKS	OK1ATP
HA7UW	YU2TW	157	JA8NFV	RD3A
HB9BZA	ZS5LB*	AA4H	K0KVR	RU3A
JA1RTX		AC6DD	W1NA	S54A
JA7ZP	160	EI6FR	W2XI	SP7AWG
K1NJ	9A2JK	G3TQZ	W5DNT	SV9AHZ
N5WA	AD5Q	IZ4DPV	WS7L	W7RH
N9FN	DL1DA	JA1GHH	YS1RR	WA1Z
NY0V	EC3A	JA9APS		
RA3ZH	HB9DHK	JH7IAJ	153	150
W4NS	HB9FMN	K9GA	AJ9C	DL4SZB
W7YAQ	IW2FND	LY5A	DL3ZA	IT9DSZ
	JA2EPW	N5MOA	EA5BY	IV3RAV
163	JE2OVG	NE9Z	G3TJW	JA2NQG
DJ9HX	JF2XGF	RN3OG	HL2CFY	JH1NYM
JA9NLE	JR7MAZ	RU4UR	JE3GRQ	K0RS
JH2SON	K3MSB	SM3PHM	JF1IRW	K7LV
K8TL	NR4M	SV8ZS	JR9OPJ	K8AJS
UR4CWQ	RU6L	W2TA	K4RG	KU4XO
VE3CFK	SP6EQZ	W5GZ	K8VfV	N3QE
W6RW	SV2AEL	W7TVF*	N3RC	N9CO
W7AL	UA0FZ	YV2IF	N4TV	N9MB
WP4U	UX5UO		N5TW	OE8SPW
	W1BR	156	N8II	OZ3SK*
162	W5XC	DL4MM	R9OK	UA6YW
4O3A	WX0B	F6HDH	SM6CLU	W6DAO
9A4W		IK0AGU	SP5CCC	W7CT
CT1GFK	159	IK0FUX	UT5UY	WA2BCK
F3AT	JA4FKX	IZ8IEV	WB8BPU	
I2ZGC	JE2LPC	JH1TWT	WE1P	149
JA6GIJ	JG0CQK	JH2QMT	WJ4T*	DL7CX
JF1WPB	JH6QFJ	JO7HAM		IK4FNF
JF2UPM	JH7CFX	K8YSE	152	JL1ARF
K1KI	K4RO	KS1J	EW2A	K3RA
LB6KC	W6BJH	N3UA	JE3ENP	K3TN
N8MR	W7SX	UA3SAQ	JT1CO	K4YYL
W0HT	W9RN	VA3LX	K7SP	K8ME
W0TT	WA9PIE	W1YIF	KS3F	NX8Y
W1LW	WD5BJT	W4TV	N9OY	SM6CUK
W3JX			S55ZZ	SV1CNS
W4DKS	158	155	UA6IGI	UW7UA
WW3S	DJ4PT	AB9V	UT5AB	W0GG
	DL1FKA	DL1RK	VE6LB	W7HPW
161	JE2LUN	K2LS	W1SKU	WB8B
DK2GZ	JI1FXS	K4WA	W1VT	WD5K
DL6RAI	JI1NJC	N4HB	W2RS*	WS5W
JA1DOF	JR1GJP	NE0DX	W6RLL	YO3DDZ
JH4CPC	K1KA	NW7E	W7AJ	
K1USA	K5TT	RC9F	WB3CQM	

148	RT0F	142	YL2MU	JA30OK
DK2CC	SM3DTR	HB9SLO	YO9FNP	JA5XAE
EA7TV	W1OP	I0JBL		JE6TSP
F5CQ		I5HOR	139	JR1XIS
F5LVL	144	IT9BLB	CU2AP	K2QMF
HB9BUN	AA6AA	JE1FQV	DF7EE	K8NS
IZ3ENH	DL5KUA	JE2DZC	DJ4XA	N2PK
JA2VQF	DL6MRS	JR7WFC	DL5CW	ON6AA
JH1QDB	E70T	K3PP	DL5EBE	RA3CO
KR2Q	EI6IZ	K4WZ	DL8OH	RG7G
N2WB	GM3ITN	K5VWW	JA1TMG	UU1JA
NE3F	HB9BYQ	KQ4AV	JA9RRH	W1ITU
W5FIX*	H13T	LA9VFA	K1CA	W5ODD
W5FKX	I5MXX	MM0SAJ	K3ANS	WB5JID
W9JJB	IT9GSF	N5XZ	K6AM	
	IZ4GWE	N7QT	K8RF	136
147	JA3GN	NA4D	KD0PO	DS1JFY
AA7G	JR3OEH	NQ7R	KU0A	E72U
EA3GP	K0VSH	NY2NY	LA8WG	ER0FEO
HB0CC	K5TR	OK1DO	OK1MP	IK8CNT
IV3VBM	N1IX	W2OO	OK2QA	JA4OK
JA1XQC	N2WM	W5LUA	SM5CBM	K0TV
JH4ALY	N3KK	W5VQ	SV8ZC	KR6C
K2AX	N7BT	W7ZI	W0SD	N2ZN
K8UT	SM4OLL	WA5POK	W2CG	N6PSE
KM1H	SM5CLE	WB8CQV	W5ADD	OK1DW
N1IBM	W2/CT1GIF	WP4G	W8HW	SM5OJH
UN7LZ	W4GE		W9XQ*	SP2BMX
W2KKZ	WC5M	141	WA8WV	UT3UZ
WW2DX	WD5T	DL5MHQ		UW8SM
	YO3CD	EW1BA	138	W2OIB
146		JA1PTJ	DK8MCT	WB7QXU
F5PAC	143	JA2ATE	DK8YY	
G4FTC	DL1DUO	K2RW	EI9FBB	135
JA1HQG	DL6EN	NJ3K	EU4A	5B4MF
JA4DHN	HB9HFN	SV3FUO	F6DDR	DJ9ZB
JH1GNU	HS0ZEE	W1AX*	IK8EPC	F6FXU
K5KV	JA1SVP	W3BW	JF3LOP	HB9IQB
K5SM	K0QC	W4VIC	JK1AJX	IV3DXW
K6NR	K7CMZ	ZS1C	K1RO	JA7LMZ
K7WP	K7CW		K2RET	JA8BNP
RU0SN	K8ROX	140	KK1W	JA8JL
W1IZL	K9MK	9A1CAL	N8OC	K1ZE
W1ZT	KJ9C	DF2RG	OE6VIE	K7FL
	LA6OP	K5WK	OZ8X	NZ9R
145	LZ2ZG	K6KLY	PC3T	R7LP
AF4HX	N2RJ	N4XP	RW4CY	RN3RQ
JJ3HGJ	N5UW	N7WS	W1GD	SM3LGO
JN1BMX	N6PAT	OH6NIO	W2YE	SM5CZK
K1OA	R8TX	OK2ZV	W4YV	SP3XR
K3VAT	VE3CV*	ON7DR	W7OM	W1DIG
K4OY	W0IZ	UN1L		W2GD
K7HP	W6QUV	VE6SV	137	W4BUW
K8BL	W8RLS	W0SEI	CU3EQ	W4MBD
KF6HI	WB8ZRV	W4NU	GM3YOR	W4RFZ
N1CGP	WD9DZV	W7IV	IZ2FOS	W6JTI
N4GG		W8LWU	JA3APU	W8GNM

WB0TEV	SV5DKL	RU1AO	127	WD4LBR
WO2T	VE3CRG	SP6M	HB9AZZ	XE1KK
134	W1EQ	TA1CM	HK1MW	YU1EXY
CT3HF	W4AXL	UN7JX	JA1DDH	125
IK4DCS	W4RBO	VE3DO	JA1WLO	9A1AD
K1TO	W4WM	W2MPK	JA8RJE	EA1AF
K3OX	W5SL	W5AJ	JS2LHI	GW3TMP
K7XB	W7AH	W6DR	K0RW	HK4SAN
KA8SYV	W7CD	W9ZT	K3TRM	IK5DNF
KX4TT	W9FR	129	K7TM	IU0HDC
N9RS	WB3D	EA1YO	KM4H	JA4IYL
OE1TKW	WE4S	JA1NWD	KM4NS	JA6VU
PY5HOT	XE2S	JA8JO	N1AC	JE1TSD
RG6G	131	JH0BQX	N1GC	JE6UWU
UA0ACG	DK7YY	K3NK	OE8HIK	JH3CUL
W4JKC	G3UHU	K4TT	OH1JP	JH4ADK
YU1AM	HS1NGR	K6XM	SK7AX	JL1RUC
133	IV3KFB	K9ZM	SM0BYD	K1HAP
9K2NO	IZ0RVI	KM3V	SP6A	K5KG
EU1U	JA2TBS	N0YY	SP7ASZ	K8DV
IZ8DFO	J11DCW	N3KS	V51B	KA6BIM
JA7GLB	JJ1TEA	N3RR	W0CP	KI4WCQ
JA7LGE	JM1FHL	PY5EG	W0RT	LZ1XL
JA9AGN	JR6FC	SM3BCS*	W0YVA	N2KA
JH1HHC	K5VIP	W7QHE	W3BG	N3EN
K1ZN	KH2L	128	W3MF	N4JT
K2CDJ	N4QWZ	AA4SC	126	NA5C
K8GI	N5PHT	DM2RM	DJ8WD	ND5S
KJ6P	N6RK	IT9ZZO	F8BPN	NW6S
KS4YT	NA5DX	JA2AHH	G4IUF	OE1AZS
KU2A	NN4R	JA2KSP	HB9FMT	OH1ZK
N9MR	ON4ON	JA9AA	IK8GYS	RA0BA
OE1KM	R0SR	JE1LFX	IZ7EVZ	UN7JID
RA5BM	R9MJ	J14POR	JA7KY	UU7JM
RV4LC	R9SA	K0FF	JH4HMG	VE3UTT
UQ2PZ	W7JY*	K3XA	JJ1DWT	W5DAW
VE3WT	W8DCH	K4JAF	JL1UXH	W9CG
W0NFL	130	K4SE	K2ZD	YO2RR
W2QO	DF9ZW	K6LPO	K4JKB	124
132	E73M	KG7CW	K4XU	AA7XT
AA4NC	E12JD	LB5WB	KC2LSD	IK3VBB
AB9M	G7VJR	N5KM	KF8DX	JA0A00
AD6W	HK0HEU	R9SG	LB7ZG	JF2WXS
IT9RDG	JA2FBC	S53X	N8NA	JH4JNG
JA2KVD	K2MYR	S55DX	OK3CQD	J11DHY
JA3DY*	K7LFY	SM3GQP	OZ1IKY	JR2LJO
JA6CBG	K8BCK	SV3DCX	PA5TT	K1UU
K6EME	K9GL	VQ9LA	S51NM	K4ZO
K6YUI	N3MK	W2WC	SQ5EBM	KD4POJ
N6HY	NA4EA	W4IS	VE3CX	NA2U
ON4CAS	NO9E	W6RKC	VE7BV	PA0TCA
OZ2RH	OZ2ABI	W8MET	W8MK	PA3EWP
SM4BZH	R3VA	ZS1A	W8REW	UA0BA
SM6BGG	R5QA	ZS6UT	W9ILY	VE1DUN
	R9AB		WB0O	W2JU
			WB2REM	

W2RIJ	W8LMG	US0YA	K8LN	W4ZRZ
W3FM		W2YR	K8WVA	W6SL
W6CYX	121	W3OA	K9DR	W8ZR
123	AA6RR	W4PRO	KD6UO	WA2USA
AB1OC	CT3KN	W6RFL	LZ2HM	116
AC4TO	DF1DB	W7RN	N2MM	AJ4F
AG1A	DK1EI	WA3I	PY2PA	CT1FCX
DL7JRD	DK6CQ	WV4TN	RN3TT	DL7URH
DL9FCY	F4GTB	ZL4AS	SV9COL	EA5BRE
G4WFQ	HA1RB	119	TA2RC	EI2GLB
G5LP	IK2SGB	AA3AZ	VK4CAG	HA7PF
HB0WR	JA1SJV	AJ4A	W1KSZ	IK0EIE
IK2CHZ	JH7RXU	DK3GG	W3RJW	IK2OHG
IK3XJP	KD8RQE	EW4M	W4DAO	IT9AAI
JA0CRG	KG9Z	G4DJJ	W4NF	IT9TQH
JA1XCZ	N1JP	HB9AAQ	W4NJ	IV3HYD
JA3MHA	N6HC	HB9BCI	WT4Q	JA1WTI
JA6WJL	SV1AHX	HB9CQK	YO4AUL	JG1DUZ
JR1EBE	UQ1GWW	I2TZK	117	K1DC
K2PK	UT4EO	I4MKN	9Y4VU	K1RI
K3XO	UU2JQ	IU0LFQ	AE0P	K9SG
K4ZIN	VA3AYA	JA3AZD	BH4IGO	KT1V
K5GH	W2GG	JA4XGC	DL1DWT	PA0JSE
K7UT	W2TB	JH6CDI	DL2VWR	RV3ID
K9CS	W6XI	K5UZ	G3LAS*	TZ4AM
KV4T	W9YE	K7EG	IT9DAA	UA4PCM
N2ED	WA1PMA	K8KWT	JA1HQT	VA7CRZ
N4DWK	WY1G	N0KV	JA4FM	W1ENE
N6MZ	XE1VIC	N4LR	JA7GYP	W1WEF
N9JV	120	N8PW	JA7IC	W7GG
N9LQ	9A5F	N9UA	JE2JMV	W7OEV
NA2P	AL7TC	NT2A	JM3GXU	W8LRO
S50B	FG5FR	NY7T	JR2UBS	WQ5L
UA3DK	HB9BLQ	OH5NG	K1BZ	115
UT3QU	HB9DHG	OK1DT	K2BB	AC9EM
W1AO	IZ0LKV	R6FFB	K6PJ	C6AGU
W8NJR	IZ5NFD	SV1ACK	K7PI	CU2CE
WB8K	JH4GJR	SV1IW	K8OOK	DL9GOA
XE1H	JR6LLN	W0QQ	K8QM	G4XEE
122	K1ESE	W0RX	KV4AA	G8BCG
G3NDC	K2BA	W4HZ	N2BJ	G8DX
JA1MRM	K2HK	W5QP*	N3ND	HA5UK
K1YT	K3QIA	XE1RCS	N3NR	HB9RYZ
K2MP	K6FW	118	N4IR	IZ7JVR
K7ZA	K6SIK	5T5PA	N4TL	JH1RFM
KR0P	KA8ZPE	AB2E	N6MB	K0GD
LA7WCA	N0OK	AE3T	N8AA	K0SD
LA8PT	N4BAF	DL5OCE	N8XI	K4CMS
NA9RB	N4TB	JA4FHE	NY4G	K4GHS
NN7X	N4UFP	Ji8DGO	SM7BIC	K4GK
OE3SGU	N9AW	JN1RQV	SP6JIU	K5XM
OZ3Y	OE3EVA	JR3UIC	SP8HKT	K8YTO
RD4A	OZ2A	K3WGR	UA6J	KO8SCA
UU4JMG	PZ5RA	K4CNW	UB3A	KV1J
VE6AX	SP7ITB	K5JC	UR9IDX	LY4T
	UR5IKN		US1CT	

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N4OA	G4AFJ	JG3LGD	K9AJ	NG0G
N8KOL	JA0GCI	JR7TEQ	KM1R	NY4I
PA3AXU	JA4ITW	K0CA	KZ0X	OZ1LCG
RZ6MJ	JA5WIZ	K0JPL	LA0CX	RD9M
UA1ANA	JH1ORA	K0TPP	N4WJ	SM5BHW
UA1CGS	JH3GCN	K1KO	N7BD	SV1VS
UA6XT	K8SL	K4UAS	N9HF	UA3O
UN6T	K9GWH	K8CC	NA1DX	US7MM
VE3YF	KA4RRU	KB2FCV	UR6QA	W0UY
W5JMW	KD2T	KI4DLS	UT1UY	W3XY
W9XX	KH6DX	KM1C	VE6KC	W4DC
WA7BNG	KI0G	KM3T	VE7CT	W4NE
WP3R	KT1J	LA8HGA	VE7UF	W5ZPA
YL2CZ	N4DJ	N4ZY*	W3FOX	WB2UFF
	N4IQ	N6MA	W4HOG	WB4TDH
114	N7KO	N6PE	W4OX	WL7E
AA4DD	NA3F	RU4SU	W5AQ	YU7AU
BA4DW	N15F	SM3DMP	W7VS	ZL3NW
BA7IO	NK5B	UA1ACG	W8KA	
CT3FN	R7NA	UA1CEI	W8MIL	109
CU3AK	RA4UN	UT6UD	W9RB	EA3GHZ
DL6NB	RZ3AUL	VE7XF	WA2BOT	EU4T
F6CWA	SM5ARL	W1HEO	WA2MUA	F8EZE
G3SDL	SP3EPG	W2CVW	WA8MCD	G3SVD
HK3PJ	SV1FKZ	W2SKI	WB9EEE	J68HZ
HP3TA	SV1JFV	W3MR	YL3DQ	JA2CXF
I5OYY	SV2AVP	W3UL	YO6HOY	JA4BXL
JA2KNW	UN7TW	W4VHF		K2ONP
JA4KDT	VE3KI	W5VX	110	K4RDU
JH1AGU	W2GW	W6TC	CU3AN	K5KA
JH6WMJ	W6BK	W8GEX	DL1VDL	K6MW
K1RV	W8FAX	W8HMK	EA5BYP	KC2STA
K2DC	W8FIB	W9SE	F5BAR	KE1F
K3MD	W9VNE	WA8OLN	G3LNS	KL7RA*
K3OSX	WA4DOU	WT9U	G8AJM	N8NN
K5RJ	WB2HJV	ZP6CW	HC1BI	N9ISN
KB8U	WS4C		HL3GOB	ND4V
KZ4V	WX3P	111	I2BBJ	NN4RR
N1QY	XE1RBV	AA4U	IK5RUN	NU4I
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N3MN		AF4OX	JA9KRO	PY5CC
NU8Z	112	DK2WH	JH1VHU	RW4UU
UA3FT	A92IO	DK6ED	K1EO	RW9QA
W0VX	DJ1RL	EV1R	K3JRR	RX3AGD
W4TUN	DK5RL	G3PLP	K3PH	TG9NX
WA1FCN	DL5CL	G4DBN	K4WW	UB5ZAL
WA9YYY	EA1JO	IU8FRE	K5WAF	UT7KF
XE3ARV	EI8IU	JA1AUD	K6VKO	VU2CPL
	EW1DO	JA1FGB	KB4MRX	W0VHF
113	G3XGC	JA1NCZ	LZ1PM	W1OPD
9A1A	HB9CRV	JA5FDJ	N2CG	W5WP
BA4RF	HB9G	JE2EHP	N3HBX	WB5TUF
DJ5DT	IK7YZG	JE8TGI	N3IQ	WN0L
DJ9RR	IZ4DIW	K3FRK	N3JB	XE1FAS
DL8CM	JA1SXR	K3NF	N4KE	YV3AGT
DL8DYL	JA2HYD	K5CD	N5BO	

108	DL5XU	HA8DZ	DL6XK	EA8ZS
AI2Q	DO4DXA	IW3GJF	DO1CTL	F6AJA
AL7R	EA5AT	JA1VLK	ES1GO	F8GB
DF1KG	EA7QW	JA2MNB	G3YUV	G3BRD
DG7RO	FG8OJ	JE6IGP	HA8FW	HB9CIP
DL6CNG	G4AKY	JG3HBO	HI8RD	HK3O
ER1LW	G4RGK	JG5RVQ	JA1BWA	IK0DWN
G3VAO	HB9EFK	JH2KKW	JA1TAA	IW0HEX
HB9BAT	I5IHE	JJ0NCC	JA6VA	JA1SDV
HB9CEX	IT9XTP	JR0EQQ	JA7BME	JA2FGL
HB9FAN	JA5EY	K0DEW	JA8RRF	JF1EGO
IK0PRG	JA8JTH	K1PX	JF1RYU	JF6WTY
IZ0BTV	JF2WGN	K2CJ	K1DJ	JK1BSM
JA2MOG	JH9DRL	K4DSE	K2XF	JO1WXO
JA3NHL	K2MK	K5AM	K5AV	K0MD
JE2UFF	K3SW	K5ZQ	K7OX	K0WK
JJ4WAO	K3YBN	K8JJC	K7PO	K1BG
JK1MZT	K5FZ	KQ3F	K9RO	K1EP
JR7FRW	K5KPE	N0JZ	KI5T	K2BLA
K1XM	K8LBT	N2CW	KT2E	K2HAT
K2KQ	KE2R	N3XM	LZ1JZ	K3FM
K4WY	N2RR	N8AID	N2WLG	K4KEW
K6UT	N3DAP	NA5Z	N4JI	K4MF
K8OM	N4RF	NI5M	N4NW	K4VIG
KM8AM	N6EE	NS3L	N4SC	K4YJ
KN4JX	N8AGU	NU4Y	N4VN	K5HK
LU2DKT	NA5Q	OE5CSP	N6NU	K6UM
N1BZ	OE1CP	OK1AYU	ON7PQ	K7TJR
N4MEC	OK2BUZ	OK2BVG	OZ4AAL	K9EA
N6RFM	OK3CQR	S57AL	PF7M	KA2BZS
N9TF	R0FA	UR3CRO	PJ2/K8ND	KH6KG/W5
PA0ZH	RN4AA	UT7UU	PY2DS	KI0KB
R5FY	RV6ARZ	UU5WW	R6YY	KK9H
R7LA	SP3BQD	V73AZ	RA6AF	KW0A
RX6DX	SP6AXW	VQ9SS	RD4WM	KZ1W
S57J	US5CB	W1CWU	UA6LCN	N2SQW
SM6AOU	VE3OI	W2EQ	UR1RWX	N3ER
UX7UN	W3KB	W2LE	UR2RGN	N3TR
UZ6LWZ	W4UCK	W2NO	VE1PZ	N4TTE
W2UB	W6TDX	W3ICM	VY2ZM	N8MZ
W3NRJ	W8VK	W4IR	W1LY	NJ9C
W4ZYT	W9CPV	W5JAY	W4OWY	NN3Q
W5VY	WB8ART	W8IW	W5KI	OH2OT
W6KK	WC2K	W8OP	W6FF	RA1QX
W7ACD	WS1L	WA4MYO	WQ5W	RU3UR
W9NIO*	XE2YWH	WA6TLA	YU1NR	RZ6DX
WA2ALY	YL1XZ	WC6DX		RZ6LB
WA8MOA		YL2GN	104	SM5CCE
WC1M	106	YU3EF	9M2AX	SM7CQY
WD9EQU	AA4FL		AD1C	SO5AS
WW1WW	AA5JF	105	AH0U	UA9FGJ
	AE2U	DF2PI	CP8HD	US5CAO
107	DJ6OZ	DF8AA	CX3CE	UT4EK
4Z5LA	DL1QQ	DJ3XD	DK3BK	UT7EC
DJ8ES	DL2NOM	DJ6KH	DL4FAP	UX4UM
DK3FB	DL3JSW	DL4ZAB	DL7UPN	UY0MM
DL2CHN	EA3CCN	DL6JZ	E73D	VE3VHB

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W1QA	OK2BQU	K1EDG	WS4Y	N2AJ
W3DRY	OK3BRK	K1PTF	YO2IS	N5AQ
W3TMZ	OZ7JZ	K2LP	ZL3RJ	N6WM
W5CWQ	R9GM	K2TK		N8AG
W5GJ	RA0FA	K3KG	101	N9DR
W5ZO	RA4HT	K4AQQ	AA2VG	N9JCS
W6PH	RK3QY	K4KAY	AA3LX	NE1F
W7DR	RU3OW	K4LM*	AA4NU	NK7C
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WA0I	SM6EHY	K6DJ	AC9S	NZ9Z*
WA9ETW	SM7BHH	K6MI	CT1JGA	OA4TT
YC0LOW	SP5JXK	K7BHM	D44BC	OE3WQB
YO5ODE	UA3PFN	K7UA	DH2FW	OH3TY
	US2WU	K8BHZ	DK9WI	OK1PGF
103	UT2AB	K8OQL*	DL1KS	OK2BOB
AG1I	VA2ZO	KB9DAK	DL3ANK	OK3EY
AI3Q	VA3IC	KG8CW	DL5JS	OK4MM
DJ1MM	VE3EDY	KJ6NZ	DM3ML	ON4LG
DJ7PI	VE3MFA	KN4KL	EA1WX	OZ5HP
DL2HX	VE3VV	KW4BY	EU1TT	PA4WM
DL8YRM	W0UVC	KY6R	G3ZFC	RA3AH
DM5TI	W1CTN	LA3ANA	G4FJK	RA4P
DS3HWS	W4AVY	N5RZ	GM3WTA	RA4SD
EA7SG	W4MZ	NZ3M	HB9NL	RB7GG
EU6MM	W4TMR*	OH2EA	IV3GOW	RK9F
EW3LB	W5THT	OK1DTN	IV3KCB	RY6M
G3BDQ	W5VU	OK1JDX	JA1VVX	SM2DMU
G4AAW	W6SZN	OK3CSQ	JA2VMU	SM7NDX
G4PUQ	WA4CEM	ON5UE	JA6TMU	SP7JLH
G4VGO	WB8BZK	PA7TWO	JA7SFD	SP9DH*
I0OSI	YO7APA	PV8ABC	JF1RPZ	SV1PL
IK2ANI		PY2DO	JH3HGH	UA0FDX
JA2GQO	102	R2AB	JH3PRR	UG6GAW
JA2OLJ	A6/RV6LNA	R3IS	JI3KDH	UR7CQ
JA8EJO	CT4BD	RU3UN	K0LW	UT1CC
JH1DGQ	DK3QM	SM6WET	K1YR	UT4IS
JK1EXO	DL3DXX	SP5MXZ	K2BX	UT7HA
JM2RUV	DL3NCR	T77V	K3SEW	VE2OJ
K2UVV	DL4CW	UA1AIR	K6AAW	VE3XB
K4LQ	DL4KUG	UA1CKC	K6XJ	VK2GR
K5JUC	DL5RDI	UA6HOF	K7AR	W0QC
K7BTW	EI4DQ	UA9MR	K7IA	W1AW
K8CCV	ES5RW	UA9UCO	K8BN	W1FC
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KJ4R	I8LWL	W1MRH	KC4PX	W3WH
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KM9E	IZ4MJP	W2LW	KE1VT	W4PM
KX2A	JA0HXV	W2TX	KE4S	W4WT
LX1DA	JA4EVN	W3EKT	KF7NN	W7AV
N0RU	JA6OXT	W4ALF	KN6J	W7CB
N1HOQ	JA7EPO	W4JVN	KQ1F	W7QC*
N9BBQ	JA8OW	W5TO	LA2GV	W8GB
N9SF	JH3AIU	W7IUV	LZ1XZ	W9DX
OH3GD	K0EEO	WA0IDK	LZ2XF	W9MAF

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WB3HLH	K4UQC	R3PJN
WC4H	K7VIC	R9JX
WK9U	K8BZ	RA3SD
WR2G	K8CR	RA4LW
YO6BHN	K8CS	RA6XB
YV4DYJ	K8LE	RC2A
	K9NZ	RL3BZ
100	KB0EL	RN1A
9M6YBG	KC0V	RT5A
A41ZZ	KC4D	RU3GF
AA4AK	KC5LT	S53MJ
AB4VV	KD8BZY	S59DJK
AC4VM	KP4AA	S59SV
AG4Q	KP4N	SM5AHK*
AI2S	KQ5M	SV1VJ
DJ6OI	KS4XQ	SV2DSJ
DL1HRN	LA6UL	UA3AKI
DL1TPY	LA8W	UA4PAY
DL9GTB	LU5OM	UA6CEY
DU7ET	LU5YF	UN6P
EA2AAZ	LZ3YY	UR4CW
EA3ALD	MM0SJH	UR4LRG
EA8AXT	N0AH	UR8IDX
EC5A	N1KI	US8UW
EI9E	N1MD	VE1RGB
ES5NC	N2DPF	VE3OAT
F6ECI	N2SG	VE7JKZ
FM5GU	N2XQM	VP2VA
G0VXE	N3AF	VR2PX
G3OIL	N4CRI	W0GYH
G4CGG	N4ZR	W0MU
GM3ZSP	N6PF	W1AN
I2VGW	N7DED	W1YRC
IK0HFO	N7TK	W2CCC
IK4MSV	N7TY	W3BBO
IK8UHA	N8IL	W4HHN
IS0/YO3RA	N8NB	W4OV
IW0BYL	N9ADG	W5BK
IZ0CKJ	N9PGG	W7DT
JA1BRK	NA6O	W8CNL
JA1CPU	NA9Q	W8FN
JA4FSH	NB3R	W8GDQ
JA5DQH	NG7A	W9FI
JA9CGW	NJ3I	WB4SON
JO4CFV	NN4SS	WK4Y*
JR1BAS	NU1T	WU2M
K0FLY	OE5JDL	YB1TJ
K0XM	OH4UI	YL2SM
K1NA	OK1DXD	YO2OXD
K1NZ	OK2PAZ	YO9FLD
K2CBI	ON4ANN	ZP9MCE
K2CYE	ON7EH	ZS2DL
K3TZV	ON7GB	
K4FT	ON9CC	
K4KSY	OZ1ZD	